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ELI LILLY AND COMPANY

By

James A. Ottigrew

Date

July 12, 2004

PATENT APPLICATION
IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicants	:	James Arthur Hoffmann and Jirong Lu)	
)	
Serial No.	:	09/744,431)	
)	
Filed	:	January 22, 2001)	Group Art Unit:
)	1647
)	
For	:	FSH and FSH VARIANT)	Examiner:
		FORMULATIONS, PRODUCTS,)	R. DeBerry
		AND METHODS)	
)	
Docket No.	:	X-12383M)	

DECLARATION UNDER 37 C.F.R. 1.132

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Sir:

I, Leo Plouffe, Jr., hereby state and declare that:

Background

1. I hold the degree of Doctor of Medicine from McGill University, and I am currently a Group Medical Director at Eli Lilly and Company (Lilly), Indianapolis, Indiana.
2. I am licensed in the areas of obstetrics and gynecology. In particular, I specialize in reproductive endocrinology and infertility, and I have practiced in this field for 17 years, in hospitals and medical schools as well as the corporate clinic. As a clinical physician, I have treated patients for infertility using FSH products such as GONAL-F and PUREGON as well as hCG products. As a result, I am quite experienced with the procedures for administration of such products.
3. I have authored or co-authored sixty-three (63) peer-reviewed publications, book chapters, and review articles. My *curriculum vitae* are attached.

4. I have reviewed the family of related patent applications, including U.S. Patent Application Serial No. 09/744,431 ("431 Application") and its divisional, U.S. Patent Application Serial No. 09/928,198 ("198 Application"). I have also reviewed the most recent Office Actions for these applications as well as the reference cited as Skrabanja *et al.* ("Skrabanja"), EP 0 853 945.
5. I understand that the '431 Application and the '198 Application have an earliest effective filing date of July 23, 1998. This declaration describes the state of the art as understood by me while working as a physician on and before that date.

The Use of FSH Products for the Treatment of Infertility

6. At the time of the effective filing date of the applications, gonadotropins such as FSH were administered to patients by daily injections, intramuscularly or subcutaneously, typically one to three injections per day for a period of ten days to two weeks. Because many patients were not comfortable reconstituting and injecting themselves, a trained practitioner often performed the injections in a clinical setting. As a physician, I administered such injections to patients.
7. As of the effective filing date of the '431 application, only unpreserved pharmaceutical FSH products were available for sale. Those products were available in specific package sizes. Prior to injection, the product had to be reconstituted with diluent to produce a solution for injection into the patient. The reconstitution step was often difficult and/or bothersome for patients to do by themselves. It required a special technique, such as slowly delivering the diluent and swirling rather than shaking the vial, to avoid degradation of the protein. Any remaining, unused product had to be discarded. Some patients required larger doses or multiple doses throughout the day; these patients had to reconstitute more than one vial daily. The only alternative to patient reconstitution and injection was clinical administration. A long-felt need existed for a preserved, liquid FSH formulation that could be used by the patient throughout the period of administration without the need to reconstitute daily and discard any remaining, expensive product.
8. The dosage of FSH required for treatment of infertility varies according to the patient, and the dosage may be adjusted during treatment. In light of this, a patient may only need a portion of the product in a given vial. When administered in a clinical setting, the remaining product in the container, even though unpreserved, is usable for some period

of time. To avoid wasting expensive FSH product, the remaining product may be administered to the same patient or another patient during that period when the product remains usable, especially if the concurrent administrations occur within a period of 24 hours.

9. In my clinical practice, I occasionally observed such multiple administrations of unpreserved FSH products as that described in paragraph 8. In this sense, the unpreserved FSH product was suitable for multiple use.

The Art Cited by the Examiner

10. Skrabanja relates to a liquid gonadotropin-containing formulation comprising a gonadotropin and stabilizing amounts of a polycarboxylic acid or salt thereof and a thioether. Specifically, Skrabanja teaches that a liquid formulation of FSH and citrate can be stabilized by the addition of a sufficient amount of a thioether, preferably methionine, to the formulation.
11. In its description of the liquid gonadotropin formulation, Skrabanja provides great detail of the required and optional excipients. Skrabanja describes with specificity the particular stabilizers, nonreducing disaccharides, nonionic surfactants, and cosolvents that are preferred for the formulation. Yet, Skrabanja never teaches or even suggests that any preservative can or should be added to the formulation. In particular, Skrabanja does not mention the use of meta-cresol, benzyl alcohol, or any other preservative in its formulation.
12. In one aspect of its invention, Skrabanja teaches a cartridge containing a sterile liquid formulation. It states that the "cartridge may contain an amount of the liquid gonadotropin formulation corresponding to one or more therapeutic doses of the gonadotropin." Skrabanja, page 5, lines 22-25. Skrabanja further discloses a liquid medicament for the treatment of infertility that "can be in the form of a cartridge for multiple use." Skrabanja, page 5, line 41.
13. In my opinion, Skrabanja's statements regarding multiple use do not suggest to a person skilled in the art of treating infertility that the liquid FSH formulations are or can be preserved. If preserved formulations were intended, Skrabanja would have explicitly described the addition of preservatives with the same detail that it described other excipients. It would have at least mentioned the possible use of a preservative, and most likely would have provided a preferred preservative.

14. Although it is rather ambiguous, the “multiple use” described by Skrabanja seems to refer to multiple administrations of unpreserved product to one or more patients within short period of time, as described in paragraphs 8 and 9 above.
15. Thus, given the failure to mention any preservative in the liquid gonadotropin formulation of Skrabanja, coupled with the known practice of administration multiple injections of unpreserved gonadotropin solutions to patients, Skrabanja does not teach or suggest a liquid FSH formulation preserved with phenol, m-cresol, p-cresol, o-cresol, or benzyl alcohol to a person skilled in the art of treating infertility.

The Invention of the '431 Application and the '198 Application

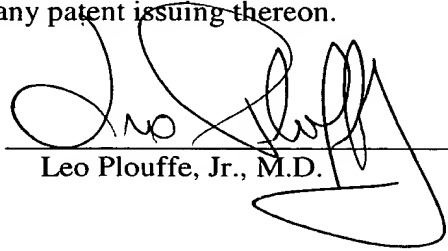
16. The '431 Application provides a liquid formulation of follicle stimulating hormone preserved with phenol, m-cresol, p-cresol, o-cresol, or mixtures thereof, for use as a multi-dose product, whereas the '198 Application a liquid formulation of follicle stimulating hormone preserved with benzyl alcohol for use as a multi-dose product. The development of preserved formulations as described and claimed in these applications represents an advance over the art by avoiding the requirement for the patient to reconstitute the product at least once daily, and then discard the remaining reconstituted product, or alternatively having to be treated daily in a clinical setting.

Summary

17. In summary, the present applications provide liquid FSH formulation preserved with phenol, m-cresol, p-cresol, o-cresol, mixtures thereof, or benzyl alcohol, that may be used as multi-dose products. Skrabanja does not teach, motivate, or suggest a liquid FSH formulation preserved with any preservative. It merely provides a liquid gonadotropin formulation that can be in the form of a cartridge for multiple use. “Multiple use” does not convey to a person of skill in the art of treating infertility that Skrabanja’s formulations can or should be preserved at all, particularly with phenol, m-cresol, p-cresol, o-cresol, mixtures thereof, or benzyl alcohol. It simply conveys that more than one injection may be made from any one particular cartridge.

18. I further declare that all statements made herein of my own knowledge are true, that all statements made on information and belief are believed to be true, and that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both (18 U.S.C. 1001), and may jeopardize the validity of the application or any patent issuing thereon.

July 12, 2004
July 12, 2004



Leo Plouffe, Jr., M.D.

July 2004

CURRICULUM VITAE

Leo Plouffe, Jr., M.D., C.M.
US Group Medical Director
Lilly Research Laboratories
Eli Lilly and Company
Lilly Corporate Center
Indianapolis IN 46285
Phone (317) 277-6284
e-mail Lplouffe@lilly.com

Personal

Home Address	662 Mayfair Lane Carmel IN 46032
Date of Birth	November 26, 1957
Place of Birth	Montreal, Canada
Citizenship	USA, Canada
Sex	Male
Race	Caucasian
Marital Status	Married (Eve W. White, M.D., FACOG)

Education

Certified, Reproductive Endocrinology, American Board of Obstetrics and Gynecology, 1990 (Recertified 1998)
Certified, American Board of Obstetrics and Gynecology, 1988 (Recertified 1998)

Fellowship, Medical College of Georgia, Department of Obstetrics and Gynecology, Reproductive Endocrinology, Augusta, Georgia, 1985-1987

Certified, Royal College of Physicians and Surgeons of Canada, Obstetrics and Gynecology, 1985

Residency, McGill University, Department of Obstetrics and Gynecology, Montreal, Canada, 1981-1985

Certified, National Board of Medical Examiners, 1981

Internship, Royal Victoria Hospital, Montreal (Mixed), 1980-1981

McGill University, Montreal, Canada, M.D.,C.M., 1980

Certified, Medical Council of Canada, 1980

Education (cont.)

Ahuntsic College, Montreal, Canada, D.C.S., 1973-1975

Mont St. Louis High School, Montreal, Canada, 1970-1973

Licensure

Quebec No. 81509

Georgia No. 27239

Indiana No. 1048385

Professional

Eli Lilly and Company / Lilly Research Laboratories

Lilly Research Laboratories

US Group Medical Director, 2004 - current

Medical Director, 2000 – 2003

US Women's Health and Reproductive Medicine

Senior Research Physician, 1997- 2000

Coordinator, US Evista Medical Services (1999 - 2000)

Academic Appointments

Medical College of Georgia, Department of Obstetrics and Gynecology

Chief, Reproductive Endocrinology, Infertility & Genetics Section, 1994-97

Professor, 1997

Associate Professor, 1992-97 (Tenured 1993)

Assistant Professor, 1987-92

Instructor, 1985-87

McGill University, Faculty of Medicine

Associate Group Leader (1979-80) and Group Leader (1980-82), Behavioral
Medicine Course, Department of Humanities and Social Studies in Medicine

Administrative Responsibilities/Appointments
National and International

The American College of Obstetricians & Gynecologists

Committee Member, Prolog Task Force for Gynecology, 1997

Program Director, Pediatric and Adolescent Gynecology Course (Annual Meeting)

030 1991-1993

060 1994-1996

120 1997

Program Director, Comprehensive Care of the Mature Woman Postgraduate Course

Vancouver, BC 1995

Bermuda 1997

American Society of Reproductive Medicine (Formerly American Fertility Society)

Industry Committee, American Fertility Society, 1989 - 1993

Chair, American Society of Reproductive Medicine Pediatric and Adolescent Gynecology Special Interest Group, 1993-1997

Founding Editor, SRE Feedback (Newsletter of the Society of Reproductive Endocrinologists), 1995-97

North American Society for Pediatric & Adolescent Gynecology

Web Site Committee 1998-99

Industry Relations Committee 1998-99

Vice President 1997-98

Director, Board of Examiners, International Pediatric and Adolescent Gynecology Examination (FIGIJ), 1997

Liaison to ACOG 1995-95

Organizing Committee, World Congress of Pediatric and Adolescent Gynecology, Paris, France, May 1992

Associate Editor, (Genetics) Journal of Adolescent and Pediatric Gynecology, 1988 - present

Associate Editor, (Genetics) Actualités Gynécologiques, 1994-present

Ad Hoc Reviewer

Journal of Psychosomatic Obstetrics and Gynaecology, 1994 - 1996

Obstetrics and Gynecology, 1993 - 1997

Southern Medical Journal, 1992 - 1995

American Journal of Obstetrics and Gynecology, 1991 - 1996-present

Journal of Reproductive Medicine, 1990 - 1994

Fertility and Sterility, 1987 - 2001

The Female Patient, 1997 - 2000

Regional and State (Georgia / Canada)

MCG Chairman of the Doctors for Healthier Babies Campaign (March of Dimes),
1996

Georgia Genetics Advisory Council
Past-chairman, 1996-98
Chairman, 1994-96
Member, 1987-94

Secretary-Treasurer, Georgia Genetics Society, 1992 - 1997

Program Coordinator, Applications of Molecular Biology to Clinical Genetics,
Southeastern Regional Genetics Group, Augusta, GA, August 1992

Program Director, Hands-on Introduction to Techniques in Molecular Biology for Clinical Ge

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Southeastern Regional Genetics Group, Augusta, GA, August 1991

Program Director, Hands-on Introduction to Techniques in Molecular Biology for Clinical Ge

Program Director, Applications of Molecular Biology to Clinical Genetics,
Southeastern Regional Genetics Group, Augusta, GA, August 1990

Member, DNA Applications Committee of Southeastern Regional Genetics Group
(SERGG)

Co-Chairman, Education Subcommittee, 1990 - 1991

Computer Database Subcommittee, 1989 - 1991

MCG Representative to the Georgia Genetics Advisory Council, 1987-present

Ad hoc Committee on CAH Newborn Screen, 1989-present

Member - Junior Members Committee, The Society of Obstetricians and
Gynecologists of Canada; Chairman, 1983-85; Past-Chairman, 1985-86; Advisor,
1986-87

Chairman - Junior Members Committee, The Association of Obstetricians and
Gynecologists of Quebec, 1983-85

Member - The Organizing Committee, The Dr. Logie Medical Ethics Essay Prize;
Founding Member, Director (1983-85), 1980-85

Member - The Quebec Federation of Intern and Resident Physicians'
Representative to the Accreditation Committee of the Royal College of
Physicians and Surgeons of Canada, 1982-84

Member - The Quebec Federation of Intern and Resident Physicians'

Representative to the Examinations Committee of the Royal College of Physicians and Surgeons of Canada, 1981-84

President - The Association of Interns and Residents of McGill, 1980-83

Vice-President - The Quebec Federation of Intern and Resident Physicians, 1980-83

Representative - McGill Medical Students' Society Representative to the Canadian Federation of Medical Students; Founding Member, Secretary-General (1977-78), President (1978-79), 1977-80

Member - Quebec Federation of Medical Students' Societies Representative, The Joint Committee on Medical Education in Quebec, 1977-80

Vice President - McGill Medical Students' Society, External Affairs, 1977-79

Representative - McGill Medical Students' Society Representative to the Association of Canadian Medical Colleges, 1977-78

Representative - McGill University Representative to the Quebec Foundation of Medical Students' Societies; Secretary-Treasurer (1976-78), President (1978-80), 1976-81

Member - McGill Med-P Society: Founding Member, Representative to the McGill Medical Students' Society, 1975-76

Medical College of Georgia

Ad hoc member of the Research Ethics Committee, Medical College of Georgia Hospital and Clinics, 1996 - 1997

Practice Director, Women's Health Services, 1995 - 1997

Physician Coordinator, Enterprise-wide Universal Scheduling System Project, 1995-1997

Co-Chair, Computer Information Medical Systems Physician Activation Committee (TDS-Eclipsis Healthcare Systems), 1994 - 1997

Member, Medical Record Committee, 1995-1997 / 1987-88

Editorial Director, Physicians Practice Group Newsletter, 1992-1996

Admissions Committee (outside interviewer), Medical College of Georgia Faculty of Medicine, September 1987 - 1997

Ad hoc Committee for the Development of Child Abuse Protocol, Medical College of Georgia Hospital and Clinics, 1990 - 1995

Member, Physicians Practice Group, Fringe Benefits Committee, 1990 - 1996

Biomedical Research Support Grant (BRSR) Committee, 1995-1997

Member, Special task force to refine the rules and regulation for the organized Medical staff of the Medical College of Georgia Children's Medical Center, 1994-1995

Member, Nomination Committee, Physician Practice Group, 1994 - 1995

HealthQuest Advisory Committee, Member 1994-1995

Medical College of Georgia Operating Room Committee, 1992-1994

Medical College of Georgia Hospital and Clinics Executive Committee, Member at large, 1992-1994, 1997

Medical College of Georgia LCME Subcommittee on General Facilities, Chairperson, 1992 - 1993

Hospital Information Services Committee, Vice-chairman, 1991 - 1993

Medical College of Georgia Student Affairs Committee, Member, 1991 - 1992

School of Medicine Faculty Retreat, Group Leader, 1991.

Scheduling Committee of the Ambulatory Care Center Planning Team, Chairman, 1991 - 1992

Computer Security and Privacy Committee, Medical College of Georgia, Member 1989

Student Advisor, Summer Enrichment for Minority Students, 1989

MCG Faculty Clinic Advisory Committee, 1989 - 1992

Faculty Academic Development Promotion and Tenure Committee, Medical College of Georgia, 1989 - 1991

Classification Subcommittee, Member 1989, Chairman 1990

Member, Robert Wood Johnson Vision Group, 1989

PPG Advisory Committee on Outpatient Clinics, Medical College of Georgia Hospital and Clinics, March 1988 - December 1988

Member at large, Physicians Practice Group Board of Trustees, 1990 - 1994

Education Subcommittee of the Laser Committee, Medical College of Georgia Hospital and Clinics, 1990 - 1992

Member, Subcommittee for Ambulatory Surgery of the Ad hoc Committee on Ambulatory Procedures, Medical College of Georgia Hospital and Clinics, 1990

Ad Hoc Phase II Genetics Committee, Faculty of Medicine, Medical College of Georgia, Member 1990

Obstetrics and Gynecology Department Level

Director, OHMS Program, 1991 - 1997

 PMS Program Director 1991 - 1997

 Menopause Program Director 1992 - 1997

 Pediatric and Adolescent Gynecology Program, 1989 - 1997

Clinic Coordinating Committee, Department of Obstetrics and Gynecology, Medical College of Georgia, September 1987 - 1995

Information Services Committee, Department of Obstetrics and Gynecology, Medical College of Georgia, Member 1988-1990, Chairman 1990 - 1995

Course Director, Update in Gynecology, Medical College of Georgia, Sea Island, GA, July 1993

Course Director, Update in Gynecology, Medical College of Georgia, Kiawah Island, SC, July 1990

Director of Clinical Services, Reproductive Endocrine Section, Department of Obstetrics and Gynecology, Medical College of Georgia, 1987 - 1994

Departmental AIDS Policy Committee, Medical College of Georgia Hospital and Clinics, 1987-1988

Resident Didactics Committee, Department of Obstetrics and Gynecology, Member, 1987 - 1988

 Chairman, 1988 - 1991

Research and Training Grants Awarded

Co-Principal Investigator: A 12-Month, Randomized, Double-Blind, Placebo-Controlled, Multicenter Extension Study to Assess Resolution of Treatment Effect in Osteoporotic, Postmenopausal Women Previously Treated for 2 Years with Alendronate Sodium or Conjugate Estrogens, and to Evaluate the Effects of Continued Treatment with Combination Alendronate and Conjugated Estrogens for a Third Year; Merck, Inc.; \$25,130, 1996

Principal Investigator: A Randomized, Double-Blind, Multi-Center Progestin Efficacy Study of Three Doses of RPR Estradiol/Norethisterone Acetate (NETA) Patches in a Sequential Wear HRT Regimen Compared to an Estradiol 50 Patch; Phone-Poulenc Rorer Pharmaceuticals Inc.; \$77,454, 1996

Principal Investigator: Raloxifene Hc1, Continuous Combined Hormone Replacement Therapy, and Placebo in Early Postmenopausal Women: Effects on Bone, Endometrium, Menopausal Syndromes and Lipids; Eli Lilly, Inc.; \$138,315, 1996

Principal Investigator: Comparison of Raloxifene HC1, Estrogen, and Placebo on the Uterus in Healthy Postmenopausal Women, Eli Lilly and Company, Research Laboratories; \$119,180, 1995 - present

Co-Principal Investigator: A randomized, double-blind, placebo-controlled parallel group trial to evaluate the efficacy and the dose response of a new estradiol matrix transdermal therapeutical system in the prevention of postmenopausal bone loss, CIBA GEIGY, 1995

Co-Principal Investigator: "A randomized, Double-blind, placebo-controlled, multicenter study to evaluate and compare the safety and efficacy of oral alendronate sodium, conjugated estrogens, and combination conjugated estrogens with alendronate sodium for the treatment of postmenopausal osteoporosis, with Dr. Anthony Mulloy, " Merck & Co., Inc.; \$209,072, 1995.

Co-Principal Investigator: "Tumor Infiltrating Lymphocytes in Endometriosis"; Department of OB/GYN; \$5,000, 1995.

Co-Principal Investigator: "Double Blind randomized Placebo control trail of Magnesium Oxide for treatment of PMS"; Blaine Pharmaceuticals; \$800, 1994

Co-Principal Investigator: "Study of daily vs monthly leuprolide acetate in the management of PMS"; TAP Pharmaceutical Educational Grant; \$30,000 (drug supplies furnished), 1994

Program Director: Resident Education Grant; Seroxo Pharmaceuticals; \$3,000, 1994

Co-Principal Investigator: "Evaluation of the Safety and effectiveness of Hal-C Coating Solution (Sodium Hyaluronidase Solution) in Surgery", Genzyme Study; \$35,200, 1994 -1995

Project Director: "Vaginal Ultrasound Educational Program", \$20,000/year, GE Medical Systems, Ultrasound Division, 1988 - present

Project Director: "System Development", Carefile Medical Systems, Inc., \$15,000., 1986 -present

Project Director: "PMS Education", \$5,000, TAP Pharmaceutical Educational Grant, 1993

Course Coordinator, "Molecular Biology Training Program for M.D.s, Ph.D.s and counselors", \$18,000. Southeastern Regional Genetics Group, 1990-92

Co-Principal Investigator, "Treatment of Lupus Anticoagulant in Pregnancy," National Institute of Health No. 1 R01 HD21657-01A1 (Subcontract with Thomas Jefferson University), \$19,648, 1988-1990

Co-Principal Investigator, "A prospective double-blind, parallel study of the safety and efficacy of premarin and medroxyprogesterone acetate evaluating metabolic effects during menopausal hormone replacement therapy", Wyeth-Ayerst Research Grant, \$12,000, March 1989 - July 1990

"Expression of Homeo Box Genes in Chorion and Tissues of the Reproductive System During Human Embryonic Development," Biomedical Research Support Grant, \$4,000, 1988-89

Awards/Honors

Royal College of Physicians and Surgeons of Canada Speaker, Annual Meeting of the Society of Obstetricians and Gynecologists, Halifax NS (Canada), 1997

Outstanding Young Clinical Faculty Award, School of Medicine, Medical College of Georgia, 1992

Syntex Pharmaceuticals Resident Research Award, Department of Obstetrics and Gynecology, McGill University, 1984

Award Paper, Resident Presentations, Annual Meeting of the Association of Obstetricians and Gynecologists of Quebec, 1983

McGill Alumnae Society, Scarlet Key Award, 1981

McGill Faculty of Medicine, W.W. Chipman Gold Medal in Obstetrics and Gynecology, 1980

The Student Award of the Graduates' Society of McGill University, 1980

Public Recognition Awards

Best Physicians in America Guide (Pediatric and Adolescent Gynecology)
1994, 1996, 1998

Best Physicians in the SouthEast, 1996

Scientific and Professional Societies (current)

American College of Obstetricians and Gynecologists
Fellow
American Medical Association
American Society for Reproductive Medicine
Pediatric and Adolescent Gynecology Special Interest Group
Menopause and Aging Special Interest Group
Association of Professors of Gynecology and Obstetrics
North American Menopause Society
Royal College of Physicians and Surgeons of Canada
Society of Obstetricians and Gynecologists of Canada
Society of Reproductive Endocrinologists, Inc.

**Presentations at National, International, Regional and State Meetings
(Selected from over 200)**

National and International Presentations

SERMS in Postmenopausal Medicine - Effects on CNS and Skin, Joint Meeting of the American Society of Reproductive Medicine / International Federation of Fertility Societies, San Francisco CA, October 8, 1998

SERMs in Postmenopausal Medicine, SOGC Annual Clinical Meeting, Victoria, BC, Canada, June 23, 1998

Pediatric and Adolescent Gynecology Review Course, SOGC Annual Clinical Meeting, Victoria, BC, June 22, 1998

Disorders of Puberty
Hirsutism and Androgen Excess
Disorders of Sexual Development

Early Development and Precocious Puberty, North American Society for Pediatric & Adolescent Gynecology Annual Clinical Meeting, Palm Beach, FL May 1998

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Pediatric and Adolescent Review Course (060), ACOG Annual Clinical Meeting, New Orleans, LA May 1998
Disorders of Puberty
Hirsutism and Androgen Excess
Disorders of Sexual Development

Estrogens and Moods. SOGC Annual Clinical Meeting, Halifax, Nova Scotia, Canada, June 20-25, 1997

The American College of OB/GYN 120 Postgraduate Meeting, Las Vegas, Nevada, April 25 - 30, 1997
Sexual Differentiation: Mechanisms and Disorders.
Special Surgical Considerations in the Pediatric and Adolescent Patient
Delayed Puberty

Clinical Evaluation & Management of Secondary Amenorrhea. North American Society for Pediatric & Adolescent Gynecology Eleventh Annual Clinical Meeting "Issues and Answers in Pediatric and Adolescent Gynecology, Cincinnati, Ohio, April 4 - 6, 1997

Hormones and Mental Awareness - Post Partum & Hormones, Depression, MS. The Society of Obstetricians and Gynaecologists of Canada Meeting, Banff, CANADA, March 21 - 22, 1997

Hormones and Breast Cancer: Scare of Reality? The Society of Obstetricians and Gynaecologists of Canada Meeting, Banff, CANADA, March 21 - 22, 1997

Progestins - What's New? The Society of Obstetricians and Gynaecologists of Canada Meeting, Banff, CANADA, March 21 - 22, 1997

Hormones and Mental Health - Their Influence on Alzheimer's Disease. The Society of Obstetricians and Gynaecologists of Canada Meeting, Banff, CANADA, March 21 - 22, 1997

Recurrent Abortion. Serono Symposia Review Course "Frontiers in Reproductive Endocrinology, Washington, DC, March 5-9, 1997

Pediatric and Adolescent Gynecology in One Hour...or Less. American Society of Reproductive Medicine Annual Meeting, Boston, Massachusetts, November 2-6, 1996

American College of Obstetrics and Gynecologists Postgraduate Course, Vancouver, BC, July 18 - 20, 1996
Perimenopause, Menopause, Hot Flashes, and other Mysteries of Life
Pharmacologic Principles in Hormone Replacement Therapy: How, When and Why, Androgen Therapy in Menopause
Controversies in Hormone Replacement Therapy

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Contraception in the Teenage Woman, IXth World Congress on Human Reproductive Postgraduate Course on Pediatric and Adolescent Gynecology, Philadelphia, PA, May 28 - June 2, 1996

Problèmes Hormonaux (TSH, Prolactine....) et Métaboliques (Glucose) rencontrés à la Périmenopause: Diagnostic et Traitement, Symposium interactif de la Société Canadienne de Fertilité et d'andrologie, Quebec City, Canada, May 9 - 11, 1996

Menstrual Abnormalities (Amenorrhea): Advanced, North American Society for Pediatric and Adolescent Gynecology Annual Meeting, LaJolla, California, May 15 - 19, 1996

The American College of OB/GYN, 44th Annual Clinical Meeting, Post graduate and Clinical courses, Denver Colorado, April 27 - May 2, 1996
Special Surgical Considerations in the Pediatric and Adolescent Patient
Vaginal Bleeding, Menstrual Disorders and Hirsutism
Delayed Puberty
Precocious Puberty
Sexual Differentiation: Mechanisms and Disorders

Reproductive Potential after the treatment of cancer in young female, Annual Controversies in OB/GYN & all that Jazz Conference, Jacksonville, Florida, October 1995

Premenstrual Syndrome: True disease or good defense? Controversies in OB/GYN & all that Jazz Conference, Jacksonville, Florida, October 1995

Androgens on the Menopause, Controversies in OB/GYN & all that Jazz Conference, Jacksonville, Florida, October 1995

Management of Treatment failure at Menopause, American Society for Reproductive Medicine, Seattle, Washington, October 1995

Update on Premenstrual Syndrome, American Society for Reproductive Medicine, Seattle, Washington, October 1995

Update on Recurrent Pregnancy Loss, American Society for Reproductive Medicine, Seattle, Washington, October 1995

Is a Climacteric Ovary a Useless Organ? Canadian Fertility & Andrology Society Pre-Meeting Symposium, Montebello, Quebec, Canada, September 1995

Repeated Pregnancy Loss, Canadian Fertility & Andrology Society Pre-Meeting Symposium, Montebello, Quebec, Canada, September 1995

Menopause and Hormone Replacement Therapy: Current Recommendations, The American College of Obstetricians and Gynecologists, Quebec, Canada, July 1995

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Office Endocrinology: Hyperprolactinemia and Thyroid disorders, The American College of Obstetricians and Gynecologists, Quebec, Canada, July 1995

The Evaluation of Recurrent Spontaneous Abortion, The American College of Obstetricians and Gynecologists, Quebec, Canada, July 1995

Premenstrual Syndrome: Diagnosis and Treatment, The American College of Obstetricians and Gynecologists, Quebec, Canada, July 1995

Molecular Aspects of Endometriosis, Annual meeting of the Society of Obstetricians and Gynecologists of Canada, Calgary, Canada, June 1995

Recurrent Pregnancy Loss and Endometriosis, Annual meeting of the Society of Obstetricians and Gynecologists of Canada, Calgary, Canada, June 1995

Vaginal Bleeding, Pediatric and Adolescent Gynecology 060 course, The American College of OB/GYN 43rd Annual Meeting, San Francisco, California, May 1995

Ovulation Disorders and Hirsutism, Pediatric and Adolescent Gynecology 060 course, The American College of OB/GYN 43rd Annual Meeting, San Francisco, California, May 1995

Disorders of Puberty, Pediatric and Adolescent Gynecology 060 course, The American College of OB/GYN 43rd Annual Meeting, San Francisco, California, May 1995

Delayed Sexual Maturation, The North American Society for Pediatric and Adolescent Gynecology Meeting, Toronto, Canada, April 1995

Management of the Menopause, The American Fertility Society Postgraduate Course, Puerto Rico, November 1994

Update on ART, The American Fertility Society Postgraduate Course, Puerto Rico, November 1994

Ovarian Hyperstimulation Syndrome: Diagnosis and Management, The American Fertility Society Postgraduate Course, Puerto Rico, November 1994

Techniques for DNA Diagnosis, The American Fertility Society Postgraduate Course, Puerto Rico, November 1994

Pediatric and Adolescent Gynecology: A Comprehensive Review", American College of Obstetrics and Gynecologists Meeting, Orlando, Florida, May 1994

Premature Menopause: The Genetic Aspects, Netter Symposium, Paris, France, February 1994

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Sexual Abuse-Truth or Fiction? Office Management and Dilemmas in Pediatric/Adolescent Gynecology, 40th Annual Meeting of the American College of Obstetricians and Gynecologists, Washington, D.C., May, 1993

Update on PMS, Office Management and Dilemmas in Pediatric/Adolescent Gynecology, 40th Annual Meeting of the American College of Obstetricians and Gynecologists, Washington, D.C., May, 1993

Androgens in the Menopause, Joint Meeting of the Georgia OB-GYN Society and Florida OB-GYN Society, Orlando, FL, December 3, 1992

Update on Recurrent Pregnancy Loss: Genetic Aspects, Annual Meeting of the American Fertility Society, New Orleans, LA, November 4, 1992

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